



#### Version 3.0

# AMS4, AMS16, CFIP-V3

### UNIVERSAL RACK SYSTEM SYSTEM OF CONCENTRATION



#### **Specification**

AMS4: rack for 4 cards up to 16 channels

AMS16: rack for 16 cards up to 64 channels

# Rack card for AMS4/16 rack

**PSTN/LL Modems** 

SDSL and G.SHDSL mo-

Fiber Optic modem

Interface converter G703 64k, G703, G704

**ISDN** adapter

Ethernet LAN access

Hot swappable card

Standard fixing for 19" shelf

Power supply 230Vac or 48Vdc

Redundant power supply for AMS16

# **Modular and Manageable solutions**

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**AMS4** and **AMS16** are two professional rack systems aimed at hosting CXR transmission cards. This solution suits especially well the requirement of concentrating communication accesses of corporate infrastructures and telecom operators.

**AMS4** and **AMS16** hosts the full CXR range of rack-mount cards : dial-up and leased line modems, fiber optic modems, xDSL modems, Ethernet LAN access cards. These cards offer on to four communication channels which give the chassis a capacity of up to 64 channels.

The **AMS4** provides four slots and is made for middle density requirements. The **AMS16** is made for higher density applications with a 16 slots capacity, a redundant power supply capability and an optional **CFIP-V3** management card.

All cards are hot-swappable, and can be extracted or inserted without any impact on on-going services of other part of the system.

The **AMS16** has two slots for power supply cards that can be a mix of mains AC or DC versions. The supply scheme ensures redundancy and load sharing for an optimized reliability and availability.

The **CFIP-V3** management card supports SFTP, SSH, HTTPS and SNMP protocols for managing the communication system and remote equipments. A MIB file is offered for SNMP management. CFIP is compatible with SNMPv1, V2c, V3.





#### CFIP, management card for the AMS16

Integrated modem management

Automated and assisted configuration, configuration backup

Identification and integration in the customer application

Loop test control

Equipment and communication monitoring, dashboard

Non intrusive management

Event and alarm control, snmp trap

Maintenance support

Diagnostic information and quality of service monitoring

Statistic information

Integration in the network management system

SNMPv1, v2c, V3

### Help Setting up the Network

#### The CFIP cards helps installing and managing the network.

The CFIP helps setting up your connections: The CFIP-V3 card is the management card for CXR transmission products.

The CFIP-V3 card also comes with an activated Ethernet interface and internal firmware providing management capabilities with an SSH, HTTP/HTTPS, and SNMP session using an SNMP manager.

The cards are set up automatically. When a card is inserted, it will appear in the management tool, and its management will be operational.

The CFIP-V3 will provide an inventory of the cards, including their location in the various chassis and their settings.

All card configuration is done from an intuitive menu. It will be possible to duplicate the settings on multiple channels. The configurations will be stored and can be modified and extracted via SFTP to a PC.



#### The CFIP helps monitoring the network.

The CFIP card provides all the functions necessary for managing equipment and telecom links. It maintains a system inventory and ensures logical identification of cards and links. This facilitates a logical link with the user's application throughout all configuration, administration, a n d diagnostic stages. The CFIP administration card allows equipment configuration, systematization of configuration, and secure off-system storage of the configuration during transfer. The user interface is implemented via clear and intuitive menus, reducing the need for system training. The extracted configuration files are in text format and can be edited and modified using any type of word processing software. The CFIP card centralizes events occurring on the cards and performs user-defined actions, such as activating a major or minor alarm relay, sending an SNMP trap, and logging. Severity and actions can be defined for each event (power management, system events, violations, telecom link events, terminal interface events, etc.). Alarms can be acknowledged for later and saved analysis. Event diagnosis and link monitoring are facilitated thanks to the equipment diagnostic and statistics menus, formatted by the CFIP management card. The information provides the necessary details for monitoring link quality. The CFIP card is a multi-session TCP/IP server, allowing multiple users (administrator and operators) to access the administration and monitoring system simultaneously.



	CFIP-V3			S Ser Versi Uptir Ustir	ite : CFIP-V3-133 tal : 2008999998003 - 3520 on : SW1.11, HW124340-00 me : 224 days, 1:47 ser : admin		
Configuration							Z Auto-refresh
General	Devic	e Inve	entory				
Administration / IP							
LAN Ports	AMS16 - Power Supply						
Device Naming	Slot				Status		
Security	Power 1				ON		
USB		Power 2 OFF					
Status							
System	AMS1	6 - De	vices				
LAN POITS	Slot	Port	Model	Version	Name	Status	DTE State
Security	1	1	2885P-FPR	0.06		Idle	OFF
USB	2	1	FO-2TGTX	1.04	debug sc	WAN down	ON
LLDP	2	2	FO-2TGTX	1.04	fo	WAN down	OFF
Logger msg.	4	1	2885P-FPR	0.06		WAN down	ON
System	5	1	CV-SE35-E	1.57		WAN UP 128K	ON
Backup	7	1	MD42EX	1.34		WAN down	OFF
Password	9	1	SpeederLanBis-GE-8	1.10	speeder port1	WAN UP 17088K	ON
Firmware	9	2	SpeederLanBis-GE-8	1.10	speeder port2	Idle	OFF
Reboot	9	3	SpeederLanBis-GE-8	1.10	speeder port3	Idle	OFF
	9	4	SpeederLanBis-GE-8	1.10	speeder port4	Idle	OFF
	9	5	SpeederLanBis-GE-8	1.10	speeder port5	WAN down	OFF
	9	6	SpeederLanBis-GE-8	1,10	speeder port6	Idle	-
	9	7	SpeederLanBis-GE-8	1.10	speeder port7	Idle	2
	9	8	SpeederLanBis-GE-8	1.10	speeder port8	Idle	-
	12	1	SpeederLanBis-GE-8	1.63		WAN UP 17088K	OFF
	12	2	SpeederLanBis-GE-8	1.63		WAN UP OK	OFF
	12	3	SpeederLanBis-GE-8	1.63		WAN UP OK	OFF
	12	4	SpeederLanBis-GE-8	1.63		Idle	OFF
	12	5	SpeederLanBis-GE-8	1.63		WAN UP 5696K	OFF
	12	6	SpeederLanBis-GE-8	1.63		WAN UP 5696K	
	12	Z	SpeederLanBis-GE-8	1.63		WAN UP 5696K	-
	12	8	SpeederLanBis-GE-8	1.63		WAN UP 5696K	-

	L.	CFIP	·V3		Site : CFIP-V3-134 Serial : 2008999998004 - 3520 Version : SW1.11, HW124340-0 Uptime : 114 days, 2:35 User : admin
Configuration General	Logger messages "Wednesday (	7/05/2025 17:3	2:20 (CEST+020	00)''	
Administration / IP LAN Ports	Devices   Refresh	Clear	Save	]	
Device Naming Security	2025-05-07115:30:54.623272+02:00 CFIP- 2025-05-07T15:30:54.623272+02:00 CFIP-	V3-134 logd: sc - DE V3-134 logd: sc - DE	VICE ALARM SIOT 2	2 Port 1: Newly powered 2 Port 1: WAN failed	Î
USB Status	2025-05-07T15:30:54.625180+02:00 CFIP- 2025-05-07T15:31:07.998612+02:00 CFIP-	V3-134 logd: sc - DE V3-134 logd: sc - DE	VICE ALARM Slot 2	2 Port 1: DTE active 3 Port 1: INACTIVE	
System	2025-05-07T15:42:51.034186+02:00 CFIP- 2025-05-07T15:42:51.034352+02:00 CFIP-	V3-134 logd: sc - DE V3- <mark>1</mark> 34 logd: sc - DE	VICE ALARM Slot 2 VICE ALARM Slot 2	2 Port 1: DTE failed 2 Port 1: DTE active	
Device Inventory					
<u>USB</u>					
LLDP Logger msg.					
System Backup					
Password Firmware					
Reboot					



### **Technical Specification**

	AMS4	AMS16
Number of slots	4	16
Hot swappable card	Yes	Yes
Choice of power supply	90/264 Vac or 48 Vdc	90/264 Vac or 48 Vdc Or 2 x 230 Vac Or 2 x 48 Vdc Load sharing
Administration	Per card	Per card With CFIP-V3
Dimensions	1U: 440 x 315 x 44,5 mm	4U: 482 x 342,9 x 177,8 mm
Temperature and hu- midity	Temperature: 0 to 50°C Humidity: 95 %	Temperature: 0 to 50°C Humidity: 95 %
Extended condition	Option	Option

### **Characteristics CFIP**

Local console port: RJ45/RS232 DCE Ethernet port, 100TX, RJ45 USB port 2xN0/NC relays Protocols: HTTP/HTTPS, SSH, SNMP V2c, V3

# **Device Card for AMS4/16**

Reference	Function	# Ch
AJ2885P	Dial-up and 2/4W leased line Modem	1
SpeederLanBis-GE	SHDSL Bis 4 or 8 pairs/44 Mb switch	5/8
CV-SE11 CV-SE25 CV-SE35	G703/G704 2 Mbps converter (V11, V28, V35, V36)	1 1 1
FO-SECD	SM/MM Fiber modem (X21/V11 Co-directional)	1
FO-SE11 FO-SE28 FO-SE36	8 Mbps SM/MM fiber modem (V11, V28, V35)	1 1 1

### References

AMS 4-2	Rack 1U, 4 slots, Power supply 90-264VAC, 47–60 hz
AMS 4-2-48	Rack 1U, 4 slots, 48VDC
AMS16-PS16	Rack 4U, 16 slots, 1 power 90-264VAC, 47–60 hz
AMS16-PS3E	Rack 4U, 16 slots, 1 power 48VDC
PS16	Additional power 90-264VAC, 47–60 hz (2 max)
PS3E	Additional power 48VDC (2 max)
CFIP-V3	Controller card with RS232, USB, Ethernt, SSH, HTTPS, SNMP
CFIP-PAN	Face plate for 1 slot of AMS4/AMS16



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